

Author Index

- Abdel-Rahman, R.M., see Zaki, M.T.M. 127
- Abdelrehim, I.M., see Land, D.P. 321
- Abrams, M.J., see Weiss, P.S. 355
- Agyci, N.M.
—, Gahm, K.H. and Stalcup, A.M.
Chiral separations using heparin and dextran sulfate in capillary zone electrophoresis 185
- Alexandrova, A.
— and Arpadjan, S.
Column solid phase extraction as preconcentration method for trace element determination in oxalic acid by atomic absorption spectrometry and inductively coupled plasma atomic emission spectrometry 71
- Amarasinghe, S.
—, Chen, T.-Y., Moberg, P., Paul, H.J., Tinoco, F., Zook, L.A. and Leddy, J.
Models for mediated reactions at film modified electrodes: controlled electrode potential 227
- Arpadjan, S., see Alexandrova, A. 71
- Baeza Baeza, J.J., see Martín Biosca, Y. 145
- Bazilyanskaya, V.D., see Loginova, L.P. 37
- Beebe, Jr., T.P., see Han, T. 365
- Bittner, D.L., see Hughes, K.D. 393
- Burns, D.T.
— and Lewis, R.J.
Analysis and characterisation of nitroglycerine-based explosives by gas chromatography-mass spectrometry 89
- Carriger, M.H., see Lada, M.W. 217
- Carroll, J.A.
—, Willard, D. and Lebrilla, C.B.
Energetics of cross-ring cleavages and their relevance to the linkage determination of oligosaccharides 431
- Cataldi, T.R.I.
— and Centonze, D.
Nickel oxide dispersed in a graphite/poly(vinyl chloride) composite matrix for an electrocatalytic amperometric sensor of alditols in flow-injection analysis 43
- Centonze, D., see Cataldi, T.R.I. 43
- Chen, K., see Liu, D. 61
- Chen, S.-H., see Wu, S.-M. 103
- Chen, T.-Y., see Amarasinghe, S. 227
- Chiu, R.W.
—, Jimenez, J.C. and Monnig, C.A.
High molecular weight polyarginine as a capillary coating for separation of cationic proteins by capillary electrophoresis 193
- Chow, C.W.K.
—, Davey, D.E., Mulcahy, D.E. and Yeow, T.C.W.
Signal enhancement of potentiometric stripping analysis using digital signal processing 15
- Creager, S.E.
— and Olsen, K.G.
Self-assembled monolayers and enzyme electrodes: progress, problems and prospects 277
- Cygan, M.T., see Weiss, P.S. 355
- Davey, D.E., see Chow, C.W.K. 15
- DeViscio, J.A., see Lin, M. 449
- Edmiston, P.L., see Phimphivong, S. 403
- El-Sayed, A.Y., see Zaki, M.T.M. 127
- El-Shahawi, M.S.
— and Farag, A.B.
Iodometric determination of gold and platinum by 168- and 126-fold chemical amplification reactions 139
- Esteve Romero, J.S., see Martín Biosca, Y. 145
- Everett, W.R.
— and Fritsch-Faules, I.
Factors that influence the stability of self-assembled organothiol on gold under electrochemical conditions 253
- Farag, A.B., see El-Shahawi, M.S. 139
- Ferris, J.H., see Weiss, P.S. 355
- Fritsch-Faules, I., see Everett, W.R. 253
- Gahm, K.H., see Agyci, N.M. 185
- Garguilo, M.G.
— and Michael, A.C.
Optimization of amperometric microsensors for monitoring choline in the extracellular fluid of brain tissue 291
- Ge, K., see Liu, D. 61
- Han, T.
—, Williams, J.M. and Beebe, Jr., T.P.
Chemical bonds studied with functionalized atomic force microscopy tips 365
- Hausermann, B.P., see Lucy, C.A. 173
- Henderson, A.N., see Sentell, K.B. 203

- Hughes, K.D.
—, Bittner, D.L. and Olsen, G.A.
New fluorescence tools for investigating enzyme activity 393
Hughes, S.G., see Wentzell, P.D. 459
- Iguchi, H., see Tokumaru, S. 97
- Jankowski, J.A., see Shippy, S.A. 163
Jayawickrama, D.A., see Lin, M. 449
Jiang, S.-J., see Yang, K.-L. 109
Jimenez, J.C., see Chiu, R.W. 193
- Kalpana, G., see Koshy, V.J. 55
Kamna, M.M., see Weiss, P.S. 355
Kennedy, R.T., see Lada, M.W. 217
Kohno, H., see Omote, J. 117
Kojo, S., see Tokumaru, S. 97
Kölchens, S., see Phimphivong, S. 403
Koshy, V.J.
—, Prasad, J.V., Kalpana, G. and Satish, S.
Investigations on intermediate acetal formation during polarographic estimation of certain benzaldehyde derivatives 55
Krom, K.R., see Weiss, P.S. 355
- LaCourse, W.R.
— and Owens, G.S.
Pulsed electrochemical detection of thiocompounds following microchromatographic separations 301
- Lada, M.W.
—, Schaller, G., Carriger, M.H., Vickroy, T.W. and Kennedy, R.T.
On-line interface between microdialysis and capillary zone electrophoresis 217
- Land, D.P.
—, Abdelrehim, I.M., Thornburg, N.A. and Sloan, J.T.
Laser-induced thermal desorption with Fourier transform mass spectrometry for the time resolved analysis of catalyst and biomedical implant model surface molecular composition 321
- Larive, C.K., see Lin, M. 449
Lebrilla, C.B., see Carroll, J.A. 431
Leddy, J., see Amarasinghe, S. 227
Lee, S., see Stiger, R.M. 377
Lewis, R.J., see Burns, D.T. 89
Li, Z.-l.
—, Mou, S.-f., Ni, Z.-m. and Riviello, J.M.
Sequential determination of arsenite and arsenate by ion chromatography 79
- Lin, M.
—, Jayawickrama, D.A., Rose, R.A., DelViscio, J.A. and Larive, C.K.
Nuclear magnetic resonance spectroscopic analysis of the selective complexation of the *cis* and *trans* isomers of phenylalanylproline by β -cyclodextrin 449
- Liu, D.
—, Ge, K., Chen, K., Nie, L. and Yao, S.
Clinical analysis of urea in human blood by coupling a surface acoustic wave sensor with urease extracted from pumpkin seeds 61
- Lo, A., see Roark, S.E. 341
Loginova, L.P.
— and Bazilyanskaya, V.D.
Iodide buffer systems for the calibration of iodide-selective electrodes 37
- Lucy, C.A.
— and Hausermann, B.P.
Co-current chromatography: a new mode of liquid-liquid chromatography 173
- Mabrouk, P.A.
First direct interfacial electron transfer between a biomolecule and a solid electrode in non-aqueous media: direct electrochemistry of microperoxidase-11 at glassy carbon in dimethyl sulfoxide solution 245
- Martín Biosca, Y.
—, Simó Alfonso, E.F., Esteve Romero, J.S., Baeza Baeza, J.J. and Ramis-Ramos, G.
Optical saturation, diffusion and convection effects in thermal lens spectrometry 145
- McCarley, R.L., see Willicut, R.J. 269
Michael, A.C., see Garguilo, M.G. 291
Moberg, P., see Amarasinghe, S. 227
Monnig, C.A., see Chiu, R.W. 193
Mou, S.-f., see Li, Z.-l. 79
Mulcahy, D.E., see Chow, C.W.K. 15
- Neal, S.L.
— and Villegas, M.M.
Comparing organized media types using fluorescence probe characterization methods 419
- Neikov, A.
— and Sokolov, S.
Generalized model for enzyme amperometric biosensors 27
- Ni, Z.-m., see Li, Z.-l. 79
Nie, L., see Liu, D. 61
- Olsen, G.A., see Hughes, K.D. 393
Olsen, K.G., see Creager, S.E. 277
Omote, J.
—, Kohno, H. and Toda, K.
X-Ray fluorescence analysis utilizing the fundamental parameter method for the determination of the elemental composition in plant samples 117
- Owens, G.S., see LaCourse, W.R. 301
- Pan, J., see Zhou, G. 49
Paul, H.J., see Amarasinghe, S. 227
Penner, R.M., see Stiger, R.M. 377
Phimphivong, S.
—, Kölchens, S., Edmiston, P.L. and Saavedra, S.S.
Time-resolved, total internal reflection fluorescence microscopy of cultured cells using a Tb chelate label 403
- Prasad, J.V., see Koshy, V.J. 55
- Ramis-Ramos, G., see Martín Biosca, Y. 145
Riviello, J.M., see Li, Z.-l. 79

- Roark, S.E.
—, Semin, D.J., Lo, A., Skodje, R.T. and Rowlen, K.L.
Solvent-induced morphology changes in thin silver films 341
- Rose, R.A., see Lin, M. 449
- Rowlen, K.L., see Roark, S.E. 341
- Ryan, N.I., see Sentell, K.B. 203
- Saavedra, S.S., see Phimphivong, S. 403
- Satish, S., see Koshy, V.J. 55
- Schaller, G., see Lada, M.W. 217
- Semin, D.J., see Roark, S.E. 341
- Sentell, K.B.
—, Ryan, N.I. and Henderson, A.N.
Temperature and solvation effects on homologous series selectivity in reversed phase liquid chromatography 203
- Shippy, S.A.
—, Jankowski, J.A. and Sweedler, J.V.
Analysis of trace level peptides using capillary electrophoresis with UV laser-induced fluorescence 163
- Simó Alfonso, E.F., see Martín Biosca, Y. 145
- Skodje, R.T., see Roark, S.E. 341
- Sloan, J.T., see Land, D.P. 321
- Sokolov, S., see Neikov, A. 27
- Stalcup, A.M., see Agyei, N.M. 185
- Stiger, R.M.
—, Virtanen, J.A., Lee, S., Virtanen, S.A. and Penner, R.M.
Scanning tunneling microscopic observations of commensurate crystalline structures for horizontally deposited cadmium stearate bilayers on graphite 377
- Stranick, S.J., see Weiss, P.S. 355
- Sun, L., see Tsen, M. 333
- Sweedler, J.V., see Shippy, S.A. 163
- Taylor, M.J.C.
— and Van Staden, J.F.
Determination of vanadium(IV) and vanadium(V) by formation of a transient mixed valence complex in a flow-injection manifold 1
- Thornburg, N.A., see Land, D.P. 321
- Tinoco, F., see Amarasinghe, S. 227
- Toda, K., see Omote, J. 117
- Tokumaru, S.
—, Tsukamoto, I., Iguchi, H. and Kojo, S.
Specific and sensitive determination of lipid hydroperoxides with chemical derivatization into 1-naphthylidiphenylphosphine oxide and high-performance liquid chromatography 97
- Tsen, M.
— and Sun, L.
Surface-enhanced Raman scattering from functionalized self-assembled monolayers. Part 1. Distance dependence of enhanced Raman scattering from a terminal phenyl group 333
- Tsukamoto, I., see Tokumaru, S. 97
- Vanslyke, S.J., see Wentzell, P.D. 459
- Van Staden, J.F., see Taylor, M.J.C. 1
- Vickroy, T.W., see Lada, M.W. 217
- Villegas, M.M., see Neal, S.L. 419
- Virtanen, J.A., see Stiger, R.M. 377
- Virtanen, S.A., see Stiger, R.M. 377
- Weiss, P.S.
—, Abrams, M.J., Cygan, M.T., Ferris, J.H., Kamna, M.M., Krom, K.R., Stranick, S.J. and Yoshikawa Youngquist, M.G.
Atomic-scale view of motion on surfaces 355
- Wentzell, P.D.
—, Hughes, S.G. and Vanslyke, S.J.
Parallel Kalman filters for peak purity analysis: extensions to non-ideal detector response 459
- Willard, D., see Carroll, J.A. 431
- Williams, J.M., see Han, T. 365
- Willicut, R.J.
— and McCarley, R.L.
Surface-confined monomers on electrode surfaces. Part 3. Electrochemical reactions and scanning probe microscopy investigations of ω -(*N*-pyrrolyl)alkanethiol self-assembled monolayers on gold 269
- Wu, H.-L., see Wu, S.-M. 103
- Wu, S.-M.
—, Wu, H.-L. and Chen, S.-H.
Determination of betamethasone and dexamethasone in plasma by fluorogenic derivatization and liquid chromatography 103
- Yang, K.-L.
— and Jiang, S.-J.
Determination of selenium compounds in urine samples by liquid chromatography-inductively coupled plasma mass spectrometry with an ultrasonic nebulizer 109
- Yao, S., see Liu, D. 61
- Yeow, T.C.W., see Chow, C.W.K. 15
- Yoshikawa Youngquist, M.G., see Weiss, P.S. 355
- Zaki, M.T.M.
—, Abdel-Rahman, R.M. and El-Sayed, A.Y.
Use of arylidenerhodanines for the determination of Cu(II), Hg(II) and CN⁻ 127
- Zhou, G.
— and Pan, J.
Polarographic and voltammetric behaviour of ofloxacin and its analytical application 49
- Zook, L.A., see Amarasinghe, S. 227